

AMENDMENTS TO THE ABSTRACT:

Please replace the PCT abstract by the following abstract (which is identical except that the word “petrol” has been replaced by “gasoline” and its length has been shortened):

The invention relates to a self-igniting gasoline internal combustion engine comprising at least one cylinder (1), a cylinder head (2) closing the cylinder (1), a piston (3) mounted in the cylinder (1) in a sliding manner, a combustion chamber (4) which is defined in the cylinder (1) between an upper face (3) of the piston (3) and a lower face (20) of the cylinder head (2), a means (5) for injecting gasoline into the combustion chamber (4), admission valves (7) and exhaust valves (8) which selectively close the combustion chamber (4), and an injection pump (8) for supplying the injector (5) with gasoline under pressure. According to the invention, the air-gasoline mixture is spontaneously ignited and the pressure of the gasoline supplied to the injector exceeds 250 bar.